AC Filter 2-Stage, Very High Symmetrical Attenuation



Description

- Chassis:
  Screw-on mounting, from top
- Line-filter in standard version, 2 positions, very high attenuation, broad-band
- Quick connect terminals 6.3 x 0.8 mm or screw terminals
- Especially effective against symmetrical interferences in the frequency range from 10kHz up to 30MHz

Approvals

- VDE License Number: 40004673
- UL License Number: E72928

Characteristics

- Designed for increased requirements
- 2-stage line filter with increased attenuation
  Protection against interference voltage from the mains
  Possible interferences generated in the equipment are strongly attenuated
- Especially suitable for use in switching power supplies
  e.g. in electronic designs with high repetitive switching frequency
- Qualified for use in equipment according IEC/EN 60950

References

General Product Information

Weblinks

Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, Distributor-Stock-Check, Accessories

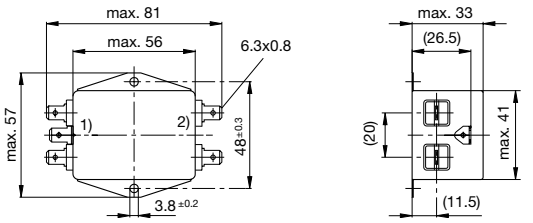
Technical Data

Ratings IEC	1 - 16 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 16 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	industrial < 1.4 mA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C to 100 °C
Climatic Category	25/100/21 acc. to IEC 60068-1
Protection Class	Suitable for appliances with protection class 1 acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm or screw terminals
Material: Housing	Alu. anodised

Line Filter	Standard and Industrial Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical details
MTBF	> 200'000 h acc. to MIL-HB-217 F

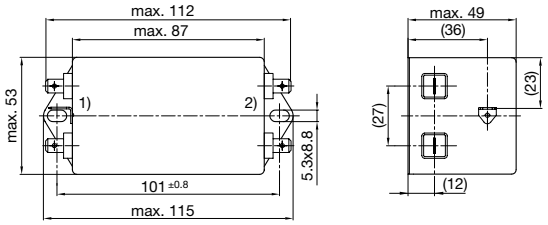
Dimensions

Case 10



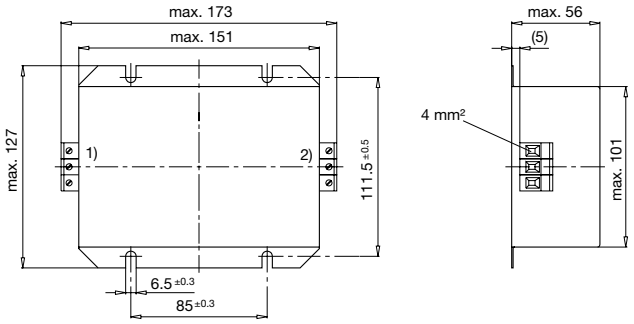
1) Line
2) Load

Case 19



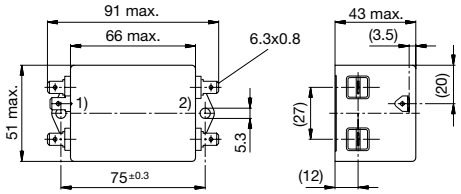
1) Line
2) Load

Case 27



1) Line
2) Load

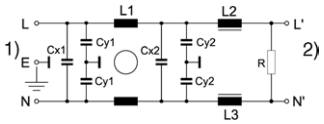
Case 48



1) Line
2) Load

Diagrams

Standard version



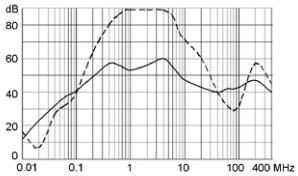
1) Line
2) Load

Attenuation Loss

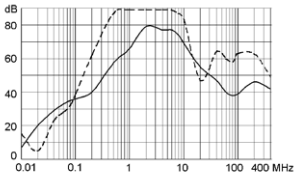
- - - - differential mode _____ common mode

Standard version

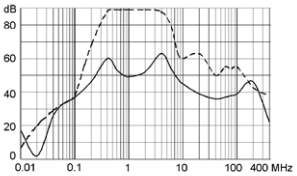
1 A



2 A

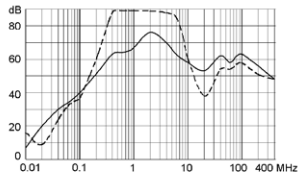


3 A

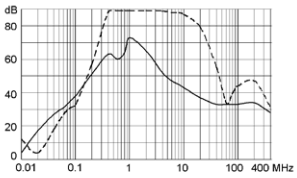


Industrial Version

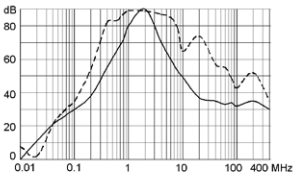
4 A



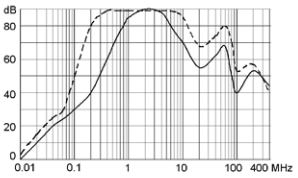
6 A



10 A



16 A



Rated Current [A]	Filter-Type	Leakage Current [mA]	L1 [mH]	L2 [mH]	L3 [mH]	Cx1 [µF]	Cx2 [µF]	Cy1 [nF]	Cy2 [nF]	R [MΩ]	Weight [g]	Housing	Order Number
1	Standard Version	0.25	2 x 15	1	-	0.1	0.47	1.5	1	1	121	10	5500.2051
2	Standard Version	0.25	2 x 10	0.4	0.4	0.1	0.47	1.5	1	1	121	10	5500.2052
3	Standard Version	0.25	2 x 12	1	-	0.1	0.68	1.5	1	1	275	48	5500.2053
4	Industrial Version	1.4	2 x 10	0.8	-	0.1	0.68	10	4.7	1	275	48	5500.2054
6	Industrial Version	1.4	2 x 6	0.5	-	0.1	0.68	10	4.7	1	284	48	5500.2055
10	Industrial Version	1.4	2 x 5	0.2	0.2	0.1	1	10	4.7	1	529	19	5500.2056
16	Industrial Version	1.4	2 x 4	0.2	0.2	0.47	2.2	10	4.7	1	2000	27	5500.2057

Packaging unit 10 Pcs

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments.